Page 1

L Number	Hits	Search Text	DB	Time stamp
1	310	((total or global) near3 count$3) same profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 08:22
2	39	((total or global) near3 count$3) same (profil$4 and sum$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 08:23
-	3534	profil$4 near3 memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 08:21
-	878	profil$4 adj memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:09
-	40	(profil$4 adj memory) same count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:18
-	380	profil$4 adj array	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:19
-	10	(profil$4 adj array) same count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:20
-	0	(profil$4 near3 (count$4 adj array))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:20
-	2	(profil$4 near3 (count$4 adj memory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:26
-	25	(profil$4 same (count$4 adj (array or memory)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:53
-	11	("3659272" | "4349873" | "4445177" | "4870573" | "5019967" | "5367550" | "5379301" | "5485574" | "5564028" | "5574892" | "5751735").PN.	USPAT	2004/04/07 13:41
-	52	5944841.URPN.	USPAT	2004/04/07 13:44
-	2	("5355487").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 13:54
-	77	(select$4 or choos$4) near3 profil$4 near3 event	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 14:08
-	76	profil$4 near3 select$4 near3 event	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 14:40

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L Number	Hits	Search Text	DB	Time stamp
-	83	profil$4 same (select$4 adj event)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 15:02
-	109	(software or application or program or code or execution) adj profiler	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 15:09
-	11	((software or application or program or code or execution) adj profiler) and (select$4 near3 event)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 15:22
-	4	(("5499340") or ("5590056")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/07 15:22
-	254	event adj profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/08 07:56
-	39	(event adj profil$4) same count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/08 08:38
-	4	((seperate or distinct) near3 memory) same profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/08 08:38
-	2351	profil$4 near3 optimiz$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 13:49
-	27	profil$4 near3 optimiz$4 near3 compil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 14:09
-	1	profil$4 near3 optimiz$4 near3 count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 14:10
-	49	(profil$4 near3 optimiz$4) same count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 14:47
-	1773	optimiz$4 near3 compil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 14:48
-	90	(optimiz$4 near3 compil$4) same profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 14:48
-	6	(optimiz$4 near3 compil$4) same profil$4 same count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 14:50

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L Number	Hits	Search Text	DB	Time stamp
-	65	((optimiz$4 near3 compil$4) same profil$4) and count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/10 13:40
-	2	("5815720").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/09 15:28
-	2	((optimiz$4 near3 compil$4) same profil$4) and (select$4 near3 event)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/10 13:40
-	1923	scal$4 near3 profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/10 16:08
-	30	(scal$4 near3 profil$4) same count$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/10 16:08
-	615	instrument$4 near3 exit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 08:53
-	13	instrument$4 near3 exit near3 (function or group or block)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:25
-	1933	profil$4 near3 scal$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:26
-	0	(profil$4 near3 scal$4) same threashold	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:26
-	27	(profil$4 near3 scal$4) same threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:29
-	72	profil$4 near3 overflow	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:30
-	41	profil$4 same (prevent$4 near3 overflow$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:32
-	1	(profil$4 near3 count) same overflow$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:35
-	6345	(profil$4) and (sampl$4 near3 (threshold or ratio or fraction))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:36

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L Number	Hits	Search Text	DB	Time stamp
-	429	(profil$4) same (sampl$4 near3 (threshold or ratio or fraction))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 09:39
-	76	717/$.ccls. and (profil$4 same (threshold or ratio or fraction))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 10:35
-	288	(count$3 near3 overflow) and profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 10:05
-	25	(count$3 near3 overflow) same profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 10:06
-	9	717/$.ccls. and (profil$4 same (overflow$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 10:40
-	44	717/$.ccls. and (profil$4 near3 frequenc$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/15 10:41
-	396	overflow near3 scal$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:43
-	213	(overflow near3 scal$3) same (counter or register or value or variable)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:44
-	83	((overflow near3 scal$3) same (counter or register or value or variable)) and (profil$4 or optimiz$4 or trac$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 14:17
-	3824	set adj associative	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 14:17
-	792	(set adj associative) near3 (two adj way)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 14:17
-	195	((set adj associative) near3 (two adj way)) same (array or counter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:19
-	256	global adj counter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:19
-	4	(global adj counter) same profil$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:23

	1	(total adj counter) same profil$4		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:23

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ProfileMe; Hardware Support for Instruction-Level.. - Dean, Hicks,, (1997) (Correct) (44 citations)
while Sec tion 5 discusses how profiling software can collect profiles from this hardware and
meaningful estimate of program behavior, the profiling software requires a random sam ple of the
the recorded information can be captured by profiling software. 4.1.1 Choosing Profiled Instructions In
ftp.digital.com/pub/DEC/SRC/publications/weihl/micro30.ps

A Programmable Co-processor for Profiling - Zilles, Sohi (2001) (Correct) (5 citations)
of hardware. Programmability allows the profiling software to be specialized to the program under
to be largely due to poor decisions by the profile software on when to perform interrupts. We expect
www.cs.wisc.edu/~zilles/papers/profiler.hpca.ps

Rapid Profiling via Stratified Sampling - Sastry, Bodik, James (2001) (Correct) (3 citations)
distinct implementation categories: smart software profilers, custom hardware profilers, and hybrid
profilers, and hybrid profilers. Smart software profilers: The first group of software profilers
summarizes the input stream and feeds it to profiling software through an intermediate buffer. In Figure
www.cs.wisc.edu/~sastry/papers/isca01.ps

SLIF: A Specification-Level Intermediate Format for System Design - Vahid, Gajski (1995) (Correct) (3 citations)
a procedure callgraph com monly used for software profiling, where an edge represents an access rather
www.cs.ucr.edu/~vahid/pubs/edtc95_slif.ps

Software Engineering - Sempa Software Engineering (1987) (Correct) (2 citations)
of TfC Resource management ParTfC ParTfC profiling Software-engineering methods SWE guidelines (V. 2)
wwwbode.in.tum.de/archiv/artikel/ieee-concurrency/sempa.pdf.gz

A Compact Intermediate Format for SIMICS - Peter Magnusson (1994) (Correct) (2 citations)
ftp.sics.se/pub/SICS-reports/Reports/SICS-R-94-17-SE.ps.Z

Evolutionary Compilation to Long Instruction Superscalar.. - Thomas Conte (1998) (Correct) (2 citations)
impact performance at all. This rules out software profiling. We introduced techniques to allow branch
www.tinker.ncsu.edu/misc/crazyconte.ps

RECOD: A Retiming Heuristic To Optimize Resource And Memory.. - Chatha, Vemuri (1998) (Correct) (1 citation)
Index of the task. v sw can be obtained by software profiling while v hw of a task is obtained by HW
www.ece.uc.edu/~ddel/publications/chatha-codes-98.ps

Rapid Prototyping of Reconfigurable Coprocessors - Naren Narasimhan (1996) (Correct) (1 citation)
to our codesign methodology is the usage of software profiling, highlevel estimation and synthesis tools.
is described in detail by Phillip In [4]3: Software Profiling and Selection of Hardware Functions Our
www.ececs.uc.edu/~naren/papers/asap_abs/../asap.ps

An Effective Design Approach for Dynamically.. - Govindarajan.. (1998) (Correct) (1 citation)
as a HardwareSoftware Codesign [5]Software profiling of the jpeg compression algorithm revealed
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Performance Debugging and Tuning using an Instruction-Set.. - Peter Magnusson (1993) (Correct) (1 citation)
KEYWORDS: instruction set simulation, profiling, software engineering, performance debugging,
ftp.sics.se/pub/SICS-reports/Reports/SICS-T-97-02-SE.ps.Z

A Codesign Case Study In Computer Graphics - Jens Brage (1994) (Correct) (1 citation)
is based on information obtained from software profiling and the resulting design is validated
thousands lines of code. Tradi tional software profiling tools focus on the distribution of Figure

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www.it.dtu.dk/~jan/Publications/papers/.../es94b.ps.gz

Software Streaming via Block Streaming - Kuacharoen, Mooney, Madisetti (2002) (Correct)
www.ece.gatech.edu/rese
P. Kuacharoen, V. Mooney and V. K. Madisetti, Software Streaming via Block Streaming,Georgia
www.ece.gatech.edu/research/codesign/publications/pramote/paper/software_streaming-dato.pdf

Adaptive Algorithms For Variable-Complexity Video Coding - Iain Richardson And (Correct)
area of 7.5 or 15.5 pixels: Table 1 Software profiling results, H.263 Processor utilization
0.5 16 0.4872 0.0088 4.3 Profiling Software profiling of the modified H.263 encoder was carried
and Daughter 0.5 16 0.4872 0.0088 4.3 Profiling Software profiling of the modified H.263 encoder
www.eee.rgu.ac.uk/research/comms/pubs/icip01_final_richardson.pdf

Automated Techniques for Performance Evaluation of Parallel.. - Simon, Courson, Mink (1999) (Correct)
metrics such as system information and software profiling, NIST has developed advanced performance
www.cmr.nist.gov/cluster/papers/euresco99.pdf

Improving Value Prediction Accuracy with Global Correlation - Codrescu, Wills (Correct)
to reduce the cost of context prediction. Software profiling for value prediction has been done in
www.ece.gatech.edu/users/lucian/codrescu-vp.pdf

A Tool for Partitioning and Pipelined Scheduling of.. - Karam Chatha And (Correct)
Index of the task. v sw can be obtained by software profiling [6] and it takes communi cation time
www.ece.uc.edu/~ddel/publications/chatha-isss-98.ps

Analysis and Design of the RHODOS Performance Profiling.. - Wickham Gjw Deakin (1994) (Correct)
Analysis and Design of the RHODOS Performance Profiling Software *G. Wickham gjw@deakin.EDU.AU School of
In the accuracy and periods required of the profiling software used. First, a routine has been written
and Design of the RHODOS Performance Profiling Software *Technical Report TR-C94/20, School of
ftp.cm.deakin.edu.au/pub/TR/Computing/TR-C94-20.ps.gz

Port Calling: A Transformation for Reducing I/O during.. - Frank Vahid (1997) (Correct)
The SLIF, similar to a call graph used in software profiling, is a directed graph, where each node
www.cs.ucr.edu/~vahid/pubs/isss97_portcall.ps

Loop Pipelining In Hardware-Software Partitioning - Jeon, Choi (Correct)
(C, VHDL) Hardware Synthesis Information Software Profiling Information Partitioner Estimator Cost
from CDFG to C code and we use it to obtain software profiling information including execution delay and
poppy.snu.ac.kr/papers/ASPDAC98.ps

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Catching Accurate Profiles in Hardware - Narayanasamy, Sherwood, Sair., (2003) (Correct)
events in hardware, without requiring any software support. This is achieved using multiple hash Architecture, February 2003. Catching Accurate Profiles in Hardware Satish Narayanasamy Timothy www.cse.ucsd.edu/~calder/papers/HPCA-03-Multihash.pdf

Loop Pipelining in Hardware-Software Partitioning - Jeon, Choi (Correct)
Loop Pipelining in HardwareSoftware Partitioning Jinhwan Jeon and Kiyoung Choi (C, VHDL) Hardware Synthesis Information Software Profiling Information Partitioner Estimator Cost poppy.snu.ac.kr/papers/ASPDAC98.ps

Transparent, Low-Overhead Profiling on Modern Processors - Anderson, Berc, Chrysos, .. (Correct)
We have developed the DCPI tools, a suite of software profiling tools that provide transparent, Transparent, LowOverhead Profiling on Modern Processors Jennifer Anderson Lance to the exact instruction(s) that experience these events. The technique for gathering instructionlevel www-cse.ucsd.edu/users/calder/pfdc/papers/pfdc-dean.ps.Z

A Codesign Case Study in Computer Graphics - Jens Brage (1994) (Correct) (1 citation)
a simple computeintensive kernel. The hardware/software parti tioning is based on information obtained is based on information obtained from software profiling and the resulting design is validated through then define the total semantics in terms of the events on the interface. 6.1 The Merlin Interface Model www.it.dtu.dk/~jan/Publications/papers/codes94b.ps.gz

Rapid Prototyping of Reconfigurable Coprocessors - Naren Narasimhan (1996) (Correct) (1 citation)
Abstract We describe the process of hardwaresoftware codesign of a JPEG-like still image compression our codesign methodology is the usage of software profiling, highlevel estimation and synthesis tools. We www.ececs.uc.edu/~naren/papers/asap_abs/../asap.ps

Efficient Path Profiling - Ball, Larus (1996) (Correct) (71 citations)
tuning, profiledirected compilation, and software test coverage. This paper describes a new Efficient Path Profiling Thomas Ball (tball@research.bellabs.com) www.stanford.edu/class/cs343/ps/pathprof.ps

Predicting Data Cache Misses in Non-Numeric Applications,. - Todd Mowry (1997) (Correct) (17 citations)
the benefit and minimize the over head of softwarebased latency tolerance techniques, we would in NonNumeric Applications Through Correlation Profiling Todd C. Mowry ChiKeung Luk Department of www.cs.cmu.edu/~luk/luk_papers/micro97.ps.gz

An Efficient Implementation of Reactivity for Modeling.. - Liao, Tjiang, Gupta (1997) (Correct) (22 citations)
the designer to use Cto model mixed hardware-software systems with a Ccompiler and a small library a small library and without the need of a complex eventdriven runtime kernel often found embedded in processes that react continuously to events in their environment [2]Kurshan [13] first wwwbib.informatik.tu-muenchen.de/cdviews/dac97/papers/1997/dac97/htmlfiles/sun_sgi/../../psfiles/03_4.ps

Viewcharts: A Behavioral Specification Language for Complex.. - Ayaz Isazadeh (1995) (Correct) (1 citation)
Viewcharts, for specification and composition of software behavioral views. The objective is software and Statecharts is designed for realtime eventdriven reactive systems. Furthermore, Viewcharts specification of largescale complex realtime eventdriven reactive systems. 1.2 Previous Work There ftp.qucis.queensu.ca/pub/reports/95-388.ps

The Design and Implementation of an Event Driven Software Monitor .. - Wickham (Correct)

The Design and Implementation of an Event Driven Software Monitor within the RHODOS Microkernel .G.
that of event driven software monitoring (termed profiling)In an determine whether profiling has ftp.cm.deakin.edu.au/pub/TR/Computing/TR-C95-21.ps.gz

Value Profiling and Optimization - Calder, Feller, al. (1999) (Correct) (15 citations)
C. Fu, M. Jennings, S. Larin, and T. Conte, Softwareonly value speculation schedul ing,tech. 1 (1999) 16 Submitted 6/98 published 3/99 Value Profiling and Optimization Brad Calder www.jilp.org/vol1/v1paper2.ps

Execution Profiling for Non-strict Functional Languages - Sansom (1994) (Correct) (14 citations)
to all programmers by all of the principal software systems.The benefits of using a profiling Computing Science Ph.D. Thesis Execution Profiling for Nonstrict Functional Languages Patrick M. ftp.dcs.gla.ac.uk/pub/glasgow-fp/tech_reports/FP-94-??_execution-profiling.ps.Z

Partial Orderings of Event Sets and Their.. - Luckham, Vera.. (1992) (Correct) (38 citations)
for publication in The Journal of Systems and Software (JSS) special issue on applying specification, Partial Orderings of Event Sets and Their Application to Prototyping This paper describes the partially ordered event set (poset) com putation model, and the features theory.stanford.edu/pub/kallyar/papers/Rapide/jss93.ps

Evolutionary Compilation to Long Instruction Superscalar,. - Thomas Conte (1998) (Correct) (2 citations)
impact performance at all. This rules out software profiling. We introduced techniques to allow solutions At compile time One source file Profiling, static estimates, static memory buffers are actually performing prediction of events, just like branch and memory dependence www.tinker.ncsu.edu/misc/crazyconte.ps

Observations of the Crab Nebula with the Second HEGRA.. - Hegra Collaboration (Correct)
selection: a) The raw data were submitted to a software trigger to reconstruct the hardware trigger. a Rubidium clock of 200 ns least count. Finally the event information is written to a hard disk of an Apple a star in the field of view and many spurious events were recorded. Several methods have been www.gae.ucm.es/~padilla/work/icrc95.ki.CT.ps.gz

Describing Open Distributed Systems: A Foundation - Andry Rakotonirainy (1997) (Correct)
and tools that support rapid prototyping and software engineering activities associated with open semantic model are: object (a model of an entity)event (a unit of interaction between an object and its interaction between an object and its environment)event relationship (a specification of behaviour www.dstc.edu.au/Hector/papers/DesODS.ps.gz

Interprocedural Path Profiling - Melski, Reps (1998) (Correct) (6 citations)
Con text path profiling is best suited for softwaremaintenance applications, whereas piecewise path Interprocedural Path Profiling David Melski and Thomas Reps Computer Sciences www.cs.wisc.edu/wpis/papers/cc99.ps

Formally Based Profiling for Higher-Order Functional Languages - Sansom, Jones (1997) (Correct) (11 citations)
Categories and Subject Descriptors: D.2.5 [Software Engineering]Testing and Debugging-debugging Formally Based Profiling for HigherOrder Functional Languages PATRICK ftp.dcs.gla.ac.uk/pub/glasgow-fp/authors/Patrick_Sansom/1997_profiling_TOPLAS.ps.gz

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